

Title (en)
Multipolar rotor.

Title (de)
Mehrpuliger Rotor.

Title (fr)
Rotor multipolaire.

Publication
EP 0295744 A1 19881221 (EN)

Application
EP 88201180 A 19880609

Priority
NL 8701394 A 19870616

Abstract (en)
Method and devices for producing a magnetic object, to be moulded in a moulding device from a mixture of grains of magnetic material and hardening binding agent, said object having pole areas of small dimensions, the mixture being subjected in a moulding cavity of a moulding body of the moulding device to temperature changes, gravity, mechanic forces or magnetic forces, or combinations of those. The invention comprising the reduction of a strong, permanent magnet to fully magnetized anisotropic permanently magnetic material, the reduction of the fragments of fully magnetized anisotropic permanently magnetic material to grains, until all grains are smaller than the width of a pole area, mixing those grains with the hardening binding agent, inserting the mixture into the moulding device, and ensuring that the mixture hardens in the moulding device, providing the permanently magnetized object as the final product.

IPC 1-7
H01F 41/02

IPC 8 full level
H01F 7/02 (2006.01); **H01F 41/02** (2006.01); **H02K 15/03** (2006.01)

CPC (source: EP KR)
H01F 13/00 (2013.01 - KR); **H01F 41/028** (2013.01 - EP)

Citation (search report)

- [A] EP 0092422 A2 19831026 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [A] US 3840763 A 19741008 - BAUMANN F, et al
- [A] PATENT ABSTRACTS OF JAPAN, vol. 11, no. 288, 17th September 1987, page 76 E 542; & JP-A-62 88 312 (TOHOKU METAL IND. LTD) 22-04-1987
- [A] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 259 (E-434)[2315], 4th September 1986; & JP-A-61 87 309 (MATSUSHITA ELECTRIC WORKS LTD) 02-05-1986
- [A] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 75 (E-390)[2132], 25th March 1986; & JP-A-60 223 107 (SUWA SEIKOSHA K.K.) 07-11-1985
- [A] PATENT ABSTRACTS OF JAPAN, vol. 11, no. 240 (E-529)[2687], 6th August 1987; & JP-A-62 52 913 (HITACHI METALS LTD) 07-03-1987
- [A] PATENT ABSTRACTS OF JAPAN, vol. 8, no. 181 (E³261)[1618], 21st August 1984; & JP-A-59 72 701 (MATSUSHITA DENKI SANGYO K.K.) 24-04-1984
- [A] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 65 (E-388)[2122], 14th March 1986; & JP-A-60 214 515 (SUWA SEIKOSHA K.K.) 26-10-1985
- [A] PATENT ABSTRACTS OF JAPAN, vol. 11, no. 70 (E-485)[2517], 3th March 1987; & JP-A-61 225 814 (TOSHIBA CORP.) 07-10-1986
- [A] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 313 (E-448)[2369], 24th October 1986; & JP-A-61 125 010 (HITACHI METALS LTD) 12-06-1986
- [A] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 65 (E-388)[2122], 14th March 1986; & JP-A-60 216 512 (SUWA SEIKOSHA K.K.) 30-10-1985

Cited by
GB2237935A; FR2641228A1; EP3598245A1; US11703810B2

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0295744 A1 19881221; EP 0295744 B1 19920304; AT E73259 T1 19920315; DE 3868705 D1 19920409; ES 2031228 T3 19921201; JP 2587271 B2 19970305; JP S6426348 A 19890127; KR 890001120 A 19890318; KR 950007949 B1 19950721; NL 8701394 A 19890116

DOCDB simple family (application)
EP 88201180 A 19880609; AT 88201180 T 19880609; DE 3868705 T 19880609; ES 88201180 T 19880609; JP 14703688 A 19880616; KR 880007069 A 19880611; NL 8701394 A 19870616